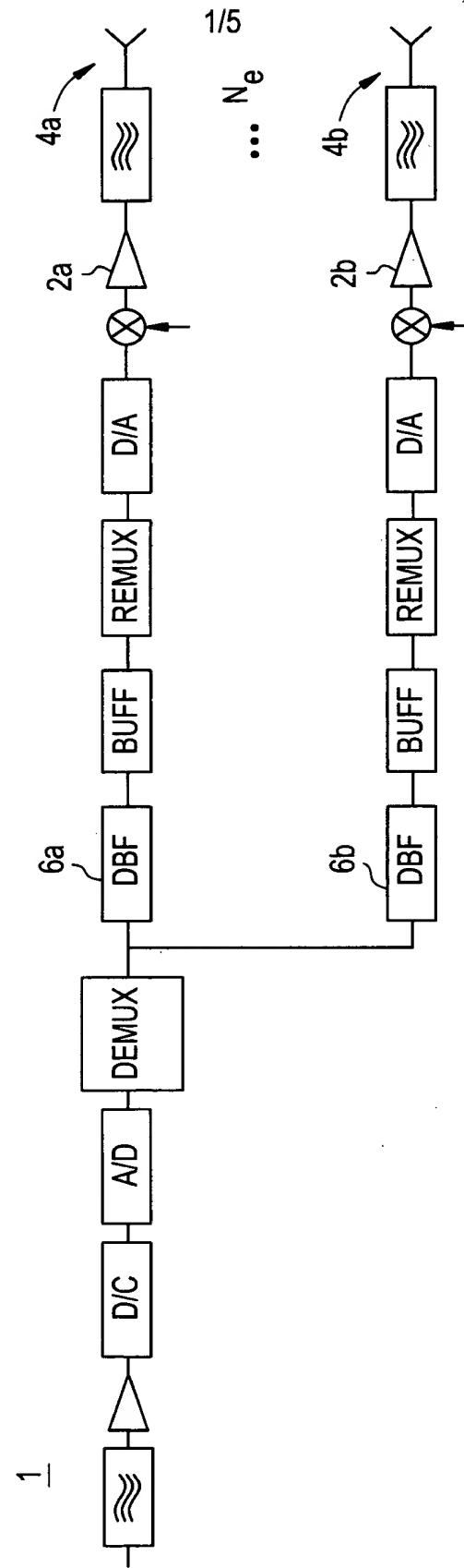


O 1 P  
NOV 08 2004  
PATENT & TRADEMARK OFFICE  
U.S. GOVERNMENT

Appl. No. 09/904,624  
Docket No. A7791  
Amdt. Dated November 8, 2004  
Reply to Office action of July 7, 2004  
Replacement Sheet

RECEIVED  
NOV 15 2004  
GROUP 3600

FIG. 1

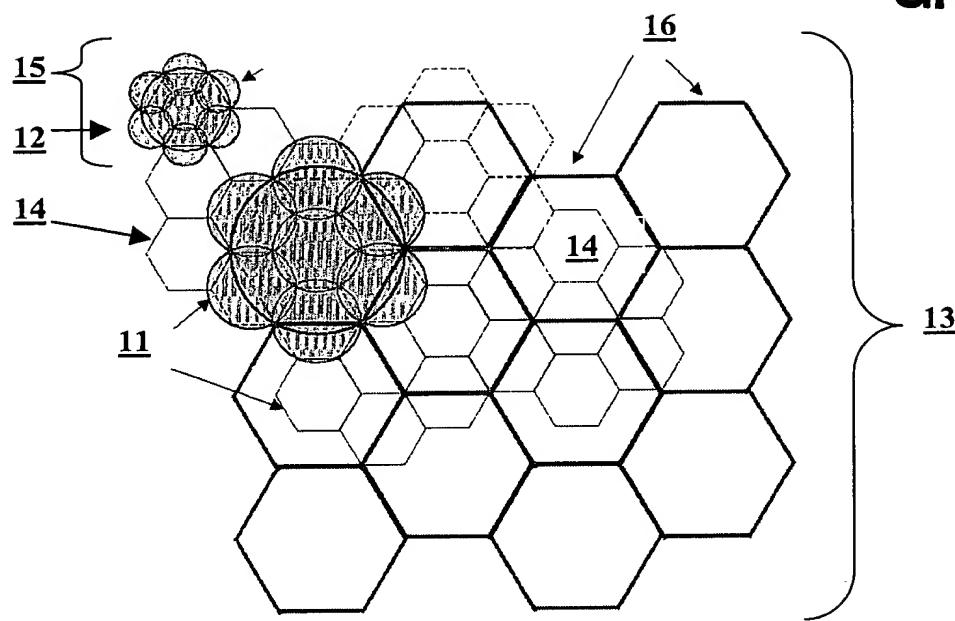


O I P E  
NOV 8 2004  
C 4  
PATENT & TRADEMARK OFFICE

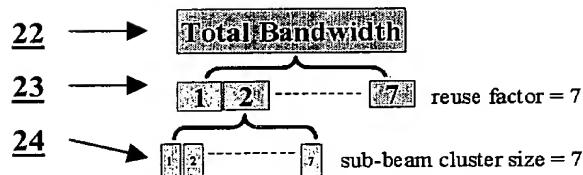
RECEIVED

NOV 15 2004

GROUP 3600



**Fig. 2A**

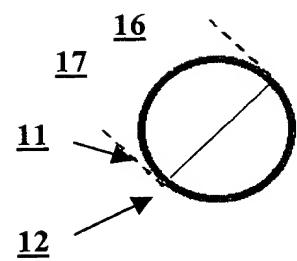


**Fig. 2B**

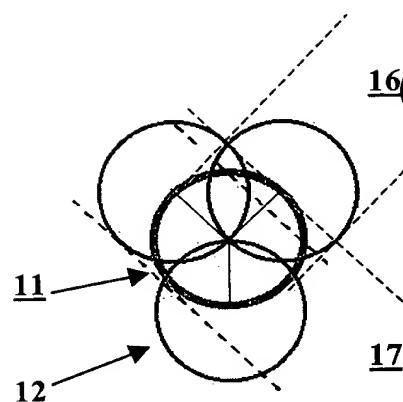
RECEIVED

NOV 15 2004

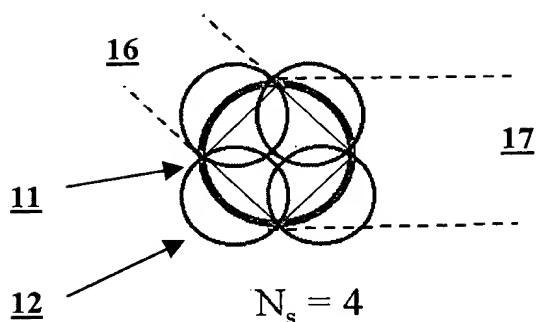
16 GROUP 3600



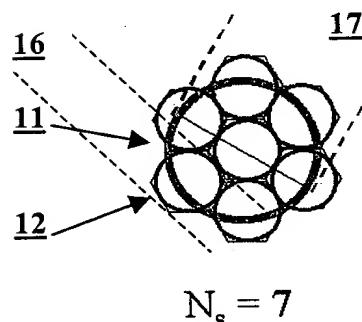
$N_s = 1$



$N_s = 3$



$N_s = 4$



$N_s = 7$

Fig. 3

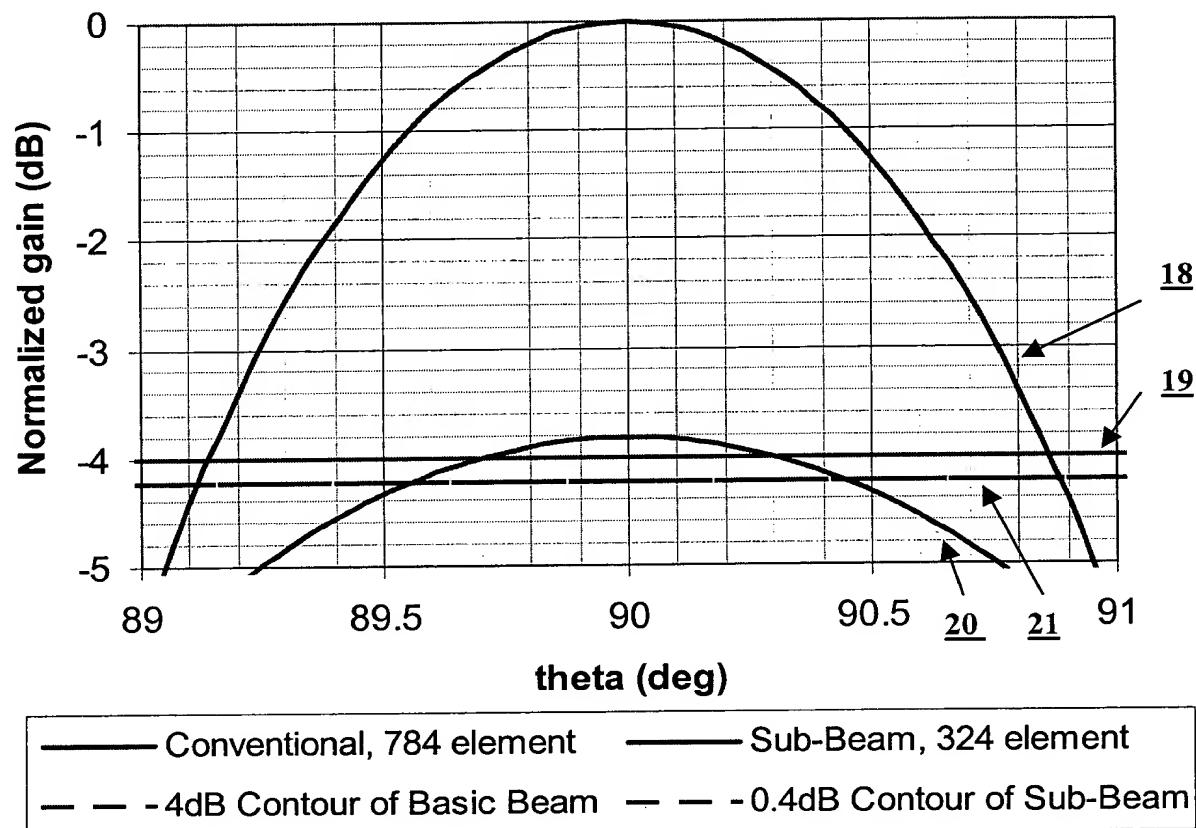
O I P R  
NOV 8 2004  
PATENT & TRADEMARK OFFICE

RECEIVED

NOV 15 2004

GROUP 3600

### Comparison of Normalized Sub-Beam and Basic Beam Patterns



**Fig. 4**

O I P E NOV 08 2004

Appl. No. 09/904,624

Docket No. A7791

Amdt. Dated November 8, 2004

Reply to Office action of July 7, 2004

Replacement Sheet

5/5

**RECEIVED**

NOV 15 2004

**GROUP 3600**

**FIG. 5**  
PRIOR ART

